

## Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

### **Listing of Claims:**

1-8. (canceled)

9. (amended) A method of generating ClF<sub>3</sub> gas using a system as claimed in claim 1 ClF<sub>3</sub> gas generation system wherein supply sources of chlorine and fluorine are connected into a gas reaction chamber enabling generation of ClF<sub>3</sub> gas, and the reaction chamber has a valved outlet for the supply of the ClF<sub>3</sub> gas, wherein the precursor gases are fed from the supply sources to the reaction chamber, a combination reaction is performed and the ClF<sub>3</sub> reaction is fed on to a local processing chamber or tool.

10. (currently amended) A method according to Claim 9 wherein the gasses formed are fed into a plasma chamber using Cl<sub>2</sub>/F<sub>2</sub> gas mixture, wherein the chlorine level is between 15-35%, preferably 20-30%.

11. (original) A method according to Claim 9 wherein an additional ClF<sub>x</sub> gas is provided in a holding chamber which allows immediate gas flow on demand to reduce processing time.

12. (original) A method according to Claim 9 wherein the gas lines and reactor surfaces are pre-conditioned using F<sub>2</sub>.

13. (canceled)

14. (new) A method according to Claim 9 wherein the gasses formed are fed into a plasma chamber using Cl<sub>2</sub>/F<sub>2</sub> gas mixture, wherein the chlorine level is between 20-30%.